

CLAIMS

What is claimed is:

1. A method for optimizing performance of a software application within a computer system, said method comprising:

assigning each of a plurality of agents a different range of numbers, wherein each range initially has an identical size;

generating a random number;

requesting an agent among said plurality of agents having an assigned range within which said random number falls to change a parameter of said software application; and

adjusting at least said range of numbers assigned to said agent according to a performance result of said computer system.

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1 5. A computer program product residing on a computer usable medium for optimizing
2 software applications within a computer system, said computer program product
3 comprising:

4 program code means for assigning each of a plurality of agents a different
5 range of numbers, wherein each range initially has an identical size;

6 program code means for generating a random number;

7 program code means for requesting an agent among said plurality of agents
8 having an assigned range within which said random number falls to change a
9 parameter of said software application; and

10 program code means for adjusting at least said range of numbers assigned
11 to said agent according to a performance result of said computer system.

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1 6. The computer program product of Claim 5, wherein said computer program product
2 further includes program code means for generating a working weight for each of said
3 plurality of agents after an iteration.

1 7. The computer program product of Claim 6, wherein said program code means for
2 adjusting further includes program code means for adjusting according to said working
3 weight for each of said plurality of agents.

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1 8. A data processing system having a controller for optimizing software applications
2 within a computer system, said data processing system comprising:

3 means for assigning each of a plurality of agents a different range of
4 numbers, wherein each range initially has an identical size;

5 means for generating a random number;

6 means for requesting an agent among said plurality of agents having an
7 assigned range within which said random number falls to change a parameter of
8 said software application; and

9 means for adjusting at least said range of numbers assigned to said agent
10 according to a performance result of said computer system.

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